

FRENCH REPUBLIC
MINISTRY OF COMMERCE AND INDUSTRY
—
DEPARTMENT OF INDUSTRIAL PROPERTY
—
PATENT OF INVENTION

Gr. 19. — Cl. 4

No. 791.607

Respirator hose for protective apparatus.

Company doing business as : DEGEA AKTIENGESELLSCHAFT (AUERGESELLSCHAFT)
domiciled in Germany.

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The invention relates to respirators [hoses] with lips for devices used to protect against gas, including air intake tubules arranged perpendicularly to the sealing plates that are joined together at certain points. Until now, the connection of the sealing plates was accomplished by gluing the edges of these plates to each other at three or four points.

This often presents the disadvantage that the rubber is deformed at the point of the gluing.

Also known in the art are respirators of this type in which the sealing plates include tabs that are joined, for example, by metal grommets or rivets that pass through them. This type of attachment is also defective since the rubber is deformed when the grommets or rivets are tightened.

The lipped respirator which is the subject of the present invention offers the uniqueness that the edge of the sealing plates is provided with tabs containing areas that are baffled or contracted; the joining of the sealing plates is thus accomplished by providing metallic wire rings in the baffles of the said tabs. These retaining rings may be opened.

It is generally advisable to flatten them.

The description that follows, with reference to the attached diagram, given by way of example, will provide a good understanding of a manner in which the invention may be produced.

Figure 1 shows a section of a respirator following one method of execution of the invention.

Figure 2 shows an overhead view of the said respirator.

Figure 3 represents an enlargement of the attachment tabs.

The hose produced entirely of rubber includes the air intake hose *a*, the sealing plate *b* attached to this hose and the sealing plate *c* that forms the sealing device.

The sealing plates *b* and *c* carry, at points corresponding to those of the tabs *d*, baffled or contracted areas. In these areas, the said plates *b* and *c* are joined by wire rings *e* that are preferentially open. The said rings may be advantageously flattened but not, however, to the point of depressing the rubber.

Summary.

The invention concerns :

1° A respirator [hose] with lips for protective

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devices including air intake tubules laid out perpendicularly to the sealing plates that are joined at certain points and present the lower plate as well as the upper plate with tabs serving to join them together, the said hose being characterized in that the said tabs that include baffled or contracted areas are held together in these areas by rings or annulae or wire that may

be opened :

2° A method of execution of the respirator hose with lips specified in 1° , according to which the wire rings are compressed so as to flatten them.

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